#### Likelihood of Failure and Impact

Likelihood of	Likelihood of Impact										
Failure	Very Low	Low	Medium	High							
Imminent	Unlikely	Somewhat likely	Likely	Very Likely							
Probable	Unlikely	Unlikely	Somewhat likely	Likely							
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely							
Improbable	Unlikely	Unlikely	Unlikely	Unlikely							

#### Likelihood of Failure and Impact

Likelihood of	Likelihood of Impact											
Failure	Very Low	Low	Medium	High								
Imminent	Unlikely	Somewhat likely	Likely	Very Likely								
Probable	Unlikely	Unlikely	Somewhat likely	Likely								
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely								
Improbable	Unlikely	Unlikely	Unlikely	Unlikely								

#### Likelihood of Failure and Impact

Likelihood of	Likelihood of Impact										
Failure	Very Low	Low	Medium	High							
Imminent	Unlikely	Somewhat likely	Likely	Very Likely							
Probable	Unlikely	Unlikely	Somewhat likely	Likely							
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely							
Improbable	Unlikely	Unlikely	Unlikely	Unlikely							

### **TRAQ**

Consequences of

#### Failure:

- > Severe
- > Significant
- > Minor
- > Negligible



### Consequences

(influenced by:)

- Target value
- Size of part
- Fall distance
- Protection factors
- (consider human nature)



Risk Rating

Likelihood of	Consequences of Failure										
Failure & Impact	Negligible	Minor	Significant	Severe							
Very Likely	Low	Moderate	High	Extreme							
Likely	Low	Moderate	High	High							
Somewhat likely	Low	Low	Moderate	Moderate							
Unlikely	Low	Low	Low	Low							

Risk Rating

Likelihood of	Consequences of Failure										
Failure & Impact	Negligible	Minor	Significant	Severe							
Very Likely	Low	Moderate	High	Extreme							
Likely	Low	Moderate	High	High							
Somewhat likely	Low	Low	Moderate	Moderate							
Unlikely	Low	Low	Low	Low							

Risk Rating

Likelihood of	Consequences of Failure										
Failure & Impact	Negligible	Minor	Significant	Severe							
Very Likely	Low	Moderate	High	Extreme							
Likely	Low	Moderate	High	High							
Somewhat likely	Low	Low	Moderate	Moderate							
Unlikely	Low	Low	Low	Low							

### TRAQ

- Risk Rating:
  - > Extreme
  - **>** <u>High</u>
  - > Moderate
  - > Low

Client_	ter a ci							_ Date				Ti	me		_
	s/Tree location					dish		Her.	Tre	ee no	0		_ Sheet _	0	_
	ecies or(s)				_	Time f	ime	Heig	To -	le men-	_ cro	wn sp	read dia.		_
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Target			ecription					Beget with	Taget within to its	Taget with	1-com 2-consion 3-frequen 4-constan	1 2 5	Restriction		
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						Site Fact	tors				*	771 18		10	•
Pests_		High 🗆	Foliage	None (se	easonal) D	Non	Species Pro ne (dead) [] otic	Non	mai	_%	Chloro	otic	_% N	ecrotic	
	failure profile tran														
		thes III Trun	à□ Roo		scribe			_			_	_			_
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Crown	density Sparse□ N	Partial De	Full D V	vind fund Interior I	neling D branches	Load Fa	ctors  formal   cting the l  Brancher	ikeliho	Vines ood of F	s/Mistle	rtoe/M	oss 🗆			
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Recent of	density Sparse \( \) Nor planned change in or planned change in inbalanced crown \( \) lead twigs/branches (	Partial De load factors	Full   V	vind fund interior I fects and	neling D, branches d Conditi – Crow	Few to fi	ctors  formal   cting the I  Branches  inant   inant	ikeliho	Vines	s/Mistle	rtoe/M	oss 🗆	Lightning o	tamage led bark	00
Recent of D	density Sparse \( \) Nor planned change in inbalanced crown \( \) lead twigs/branches ( roken/Hangers Nur	Partial De load factors	Full   V	vind fund interior I fects and	neling D, branches d Conditi – Crow	Few historia Affern and E	ctors  iormal   cting the l  Branches  insert   matchments	ense 🗆	Vines ood of F	s/Mistle	rtoe/M	Cavity/	Lightning of Includ	tamage ed bark	000
Recent of the control	density Sparse \( \) Nor planned change in or planned change in inbalanced crown \( \) lead twigs/branches (	Partial De load factors	Full   V	vind fund interior I fects and	neling D, branches d Conditi – Crow	few   fi	ctors  formal   cting the l  Branches  inant   ttachments  branch fai	ikeliho	Vines	s/Mistle	rtoe/M	Cavity/	Lightning of Includ	famage ed bark % c	00000
Crown ( Recent (  U  D  B  O  P  C  R  C  R  C  R  C  R  C  R  C  R  C  R  C  R  C  R  C  R  C  R  C  R  C  R  C  R  C  R  C  R  R	density Sparse Nor planned change in imbalanced crown Dead twigs/branches Croken/Hangers Nur vove-extended branch truning history frown cleaned Description	Partial De load factors	Full   V	vind fun- tinterior I fects and tax. dia tax. dia	neling D, branches d Conditt — Crow	Few history Affects Codomic Weak at Previous Dead/N	ctors  cting the l  sranches  inant []  ttachments  s branch fa  fissing bark	ikeliho	Vines	s/Mistle ailure	rtoe/M	Cavity/ Simila	Lightning of Includ	famage ed bark % c	00000
Recent of the control	density Sparse Nor planned change in imbalanced crown Coled things/branches Coroken/Hangers Nur over-extended branch running history rown cleaned Coled educed Coled	Partial   December   December   LCR   Hood factors	Full   V	vind fun- tinterior I fects and tax. dia tax. dia	neling D, branches d Conditt — Crow	Few history Affects Codomic Weak at Previous Dead/N	ctors  iormal           cting the l Branches  inant       ttachments s branch faitissing bank	ikeliho	Vines	s/Mistle ailure	rtoe/M	Cavity/ Simila	Lightning of Includ	famage ed bark % c	00000
Becent of Becent	density Sparse  no replanned change in the sparse  no replanned change in the sparse  no replanned crown  no redensity sparse  no redensity sparse  no redensity sparse  no redensity sparse  no reduced  number  no reduced  number	Partial   De   De   De   De   De   De   De   D	Tree De	ts De  Vind functioner of  fects are  tax. dia  tax. dia  Raised  Lion-taile	neling	Few history Affects of Codomic Weak at Previous Conks in Response	ctors  sormal = t  cting the l  Franches  inant = t  ttachments is branch fal  fissing bark  are growth -	ikeliho s —	Vines	s/Mistle ailure	rtoe/M	Cavity/ Simila	Lightning of Includ	famage ed bark % c	0 0 0 0
DE COMMON DE COM	density Sparse Nor planned change in inhalanced crown sead thiggs/branches Croken/Hangers Nurver-eatended branch running history rown cleaned lash cuts fain concent/s] and on defect likelihood of failure	Partial   De   De   De   De   De   De   De   D	Tree De	ts De  Nind fun Interior I  fects and tax dia  tax dia  tax dia  tax dia  tax dia  tax dia	neling   branches   Crow	Few   h	ctors  formal            cting the      Srancher  inant        ttachments is branch fallissing bark  se growth  mificant        minent	ikeliho	Vines	alls/Buriod deca	is D	Cavity/ Simila Sapwo	Lightning of Including the Inc	famage led bark % c present e/decay	00 200
Becent of Becaute of B	density sparse   Nor planned change in malainced crown   nead twigs/branches looken/trangers Nurve-extended byte-versited pistory rown cleaned   neduced   hush cuts   hash concern(s)   nead on defect (kalihood of failure nead/Micsing bark   nead/	Partial De primal De load factors  LCR% o ber  Thinned Topped Other  N/A D improbableTrunk Ab	Tree De	ts De  Nind fun Interior I  fects and  tax. dia  tax. dia  Raised Lion-taile  sible □	neling Doranches d Condition Crow  Moderate Probable	Few   h	iormal to locating the last locating lo	Dense Dikeliho	Vines	alls/Buriod deca	is Depth_	Cavity/ Simila Sapwo	Lightning of Includ  Includ  Nest hole of branches and damag	famage ed bark % d present e/decay	00 200
Becent of Becent	density Sparse Nor planned change in inhalanced crown lead this planned change in inhalanced crown lead this planned in inhalanced crown lead this planned in inhalanced crown lead to the content of the content lead to the cont	Partial December Dece	Tree De	vind function linterior li	neling   neling   hranches   d Condition   Crow   had   had	Few   h	ctors  formal to the last last last last last last last last	Dense D  Ikeliho  General D  Gene	Vines  od of F  inkers/G  ieartwood  Roce  iot visibi  Deca	s/Mistle allure allure obts an	is D	Cavity/ Simila Sapwoo	Lightning of Including the Inc	famage ed bark % d present e/decay	00 200
Crown in Recent in the Recent	density sparse   N or planned change in mbalanced crown   nead twigs/branches   roben/trangers Nun ver-extended pilotory room (Seaned   neduced   deduced	Fartial   December	Full   V V V V V V V V V V V V V V V V V V	tax. dia	neling Dranches d Condition Crow  Moderate Probable re/color [ Cracks [ Lap ooce ]	Few   free   fre	ctors  formal to the last and t	Dense Dikeliho	Vines  Vines  Vines  Final Control  Vines  V	alls/Buri	is D	Cavity/ Similar Sapwoo	Lightning of Includ Prest hole of branches wood damage will be seen to be see	damage  ded bark  ded bark	
Crown in Recent in U D B B C C C B B F F F F F F F F F F F F F	density sparse   N or planned change is not planned change is not planned change in the search of the colony control of the colony col	Fartial   De   De   De   De   De   De   De   D	Full   V   V   V   V   V   V   V   V   V	ts De vivind funnimerior i di minimerior i di minimeriori di	meling	Load Fave   n   n   n   n   n   n   n   n   n	ctors  commal to cting the library the library that library the library that library the library that library the library that library	Dense	Vines  Vines  Vines  Rocartwor  Rocartwor  Cavity  Decartwor  Cavity	s/Mistle siailure alit/Buri pots an	is D	Cavity/ Simila Sapwo	Lightning of Including Inc	damage  ded bark  ded bark	
U D B B C C B B B B B B B B B B B B B B B	density sparse   N or planned change is or content/stages. The content/sparse is or content/sparse is observed in the change in the change is observed in the change in the change is observed in the change in the change is observed in the change in the change in the change is observed in the change in the change in the change is observed in the change in the ch	Fartial	Full   V	ts De vivind funcionerior I de la company de	meling   ranches  d Condition  Moderate  Moderate  Cracks (c. crac	Load Fa	ctors  commal to cting the library the library that library the library that library the library that library the library that library	Dense	Vines  Vines  Vines  Final Control  Vines  V	s/Mistle siailure alit/Buri pots an	is D	Cavity/ Simila Sapwo	Lightning of Including Inc	damage  ded bark  ded bark	
U D D D D D D D D D D D D D D D D D D D	density spans C is or planned change in planned ch	Partial   De   Incard   De	Full V V V V V V V V V V V V V V V V V V	bs De	meling	Load Fa	ctors  commal conting the life franches  insert contact contac	Dense	Notes of FE	alls/Burre  alls/Burre  alls/Burre  by ged roor	d Roopeth	Cavity/ Simila Sapwo	Lightning of Included	damage ed bark % cc .	
U D B B O O P P C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B D C B B D C B B D C B B D C B B D C B B D C B B D C B B D C	density spans C in or planned change in which can be considered to and things branches (considered branch was provided branch which consemply and branch and branch and and and and and and and and	Partial   Department   Depart	Full   Vinne   Vinne	ts De et si	meling , melin	Load Fa	cormal C E crisis the I Branche:  Inant C Color to Color to Dead Ooze Cracks Root pil Bespor	Ovense	Wines  Vines  Vines  Roc  Roc  Cavitic	alls/Burre  alls/Burre  alls/Burre  bots and deca	d Roopeth% d soil wea	Cavity/ Similar Sapwoo	Lightning of Includ (Nest hole of branches bood damage of the Included of the	damage ed bark % ci	
U D B B O O P P C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B B D C B B D C B B D C B B D C B B D C B B D C B B D C B B D C B B D C	density spans C is or planned change in planned ch	Partial   Department   Depart	Full   Vinne   Vinne	ts De et si	meling , melin	Load Fa	cormal C E crisis the I Branche:  Inant C Color to Color to Dead Ooze Cracks Root pil Bespor	Ovense	Wines  Vines  Vines  Roc  Roc  Cavitic	alls/Burre  alls/Burre  alls/Burre  bots and deca	d Roopeth% d soil wea	Cavity/ Similar Sapwoo	Lightning of Included	damage ed bark % ci	

Allows for Reporting
Multiple Targets & Hazards

# Data Collection Form and



						Risk Cat	ego	rizat	ion														
umper			90	number		F	Fail	ure		Likelihood				Failure & Impact (from Matrix I)				Consequences					
Condition number	Tree part	Conditions of concern	Part size	Fall distance	Target nur	Target protection	Improbable	Pomble	Probable	hmminent	Very Low	tow	Medium	High	UniBely	Somewhat	Likely	Very Likely	Neglight	Minor	Significant	Severe	Risk rating of part (from Matrix 2)
				L						Ц				Ш	L			Ц	L		Ш	Ц	- 1
1				_						Ш	Ш				L						Ш		
										Ш									Ш		Ш		
2				_						Ш	L				L						Ш		
									1														
									,														- 19
3																							
																							- 3
4																							

4			-	_		-	
`							
Matrix I. Like	lihood ma	itrix.					
Likelihood		Like	elihood (	of Imp	oacting Targe	t	
of Failure	Very Lov	w Lo	w		Medium	High	
Imminent	Unlikely Somewi		at likely		Likely	Very likely	
Probable	Unlikely Unlikel		iely	5om	ewhat likely	Likely	
Possible	Unlikely				Unlikely	Somewhat likely	
Improbable	Unlikely	Unlii	iely		Unlikely	Unlikely	
Matrix 2. Risk	rating ma	strix.					
Likelihood	d of		Cons	equer	nces of Failur	e	
Failure & In	npact	Negligible	Min	or.	Significan	t Severe	
Very like	ely	Low	Mode	rate	High	Extreme	
Likely		Low	Mode	rate	High	High	
Somewhat	likely	Low	Lov	v	Moderate	Moderate	
Unlikel	Y	Low	Lov	v	Low	Low	
Notes, expl	anations	, descripti	ons				

Likely	Low	Moderate	High	High		North
Somewhat likely	Low	Low	Moderate	Moderate		110.01
Unlikely	Low	Low	Low	Low		
Notes, explanation	s, descript	tions				
Mitigation options						Residual risk
						Residual risk
						Residual risk

Overall tree risk rating Low | Moderate | High | Extreme | Work priority 1 | 2 | 3 | 4 |

Overall residual risk Low | Moderate | High | Extreme | Inspection interval

Data □Final □ Preliminary Advanced assessment needed □No □Ves-Type/Reason \_\_\_\_\_\_ Inspection limitations □None □Visibility □Access □Vines □Root collar buried Describe \_\_\_\_\_

This datasteet was produced by the International Society of Arboriculture (ISA) and is intended for use by Tree Bink Assumment Qualified (TEAQ) arborists – 20

## Assessor - Mitigation Options

- Pruning
- Removal
- Prop, Guy, Cable, Brace rod
- Lightning protection
- Water, Mulch,Fertilisation, PGR
- Restrict access, reroute
- Move static target, etc.



